

IN THE
UNITED STATES
PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Raffaele et al.

CASE: 57524.010009

SERIAL NO.: 09/937740

371(c) Date: 08/22/03

**INFORMATION DISCLOSURE
STATEMENT**

TITLE: INTERNAL COMBUSTION ENGINE

ATTENTION OF: IGOR KERSHTEYN

EXAMINER: ART UNIT 3745

COMMISSIONER OF PATENTS
P O Box 1450
Alexandria, VA 22313-1450

Dear Sir:

If any charges or fees must be paid in connection with the following communication, they may be paid out of our Deposit Account No. 04-1030.

In accordance with 37 C.F.R. §1.56 and §1.98, Applicant respectfully submits herewith an Information Disclosure Statement under 37 C.F.R. §1.97(c) and 1.97(e), and informs the United States Patent and Trademark Office of information which may be material to the examination of the above-identified patent application.

The following U.S. Patents and/or Applications, which comprise in part the aforementioned information, are as follows:

| | | | | |
|--------------------------|---------------------|-------|--------------------|-------|
| GREENBERG TRAURIG | Richard Eugene Dick | 27778 | Herbert H. Finn | 38139 |
| CHICAGO IP OFFICE | Richard D. Harris | 27898 | James K. Cleland | 44619 |
| 77 WEST WACKER DRIVE | Howard E. Silverman | 32492 | Brad R. Bertoglio | 47422 |
| SUITE 2400 | Douglas B. Teaney | 33459 | Jeffrey P. Dunning | 50686 |
| CHICAGO, IL 60601 | | | | |
| (312) 456-8400 | | | | |

| PATENT/PUB NO. | ISSUE/PUB. DATE | INVENTOR |
|----------------|-----------------|--|
| 4,683,809 | 08/04/1987 | Taylor |
| 6,029,346 | 02/29/2000 | Chellappa |
| 4,776,310 | Oct. 1988 | Gray |
| 4,512,291 | Apr. 1985 | Kirk |
| 5,900,193 | May 4, 1999 | Rivers et al. |
| 4,909,133 | Mar. 20, 1990 | Taylor et al. |
| 6,148,785 | Nov. 21, 2000 | Rivers et al. |
| 6,524,707 | Feb. 25, 2003 | Rasmussen |
| 5,503,038 | 04/02/1996 | Aquino et al. (this reference was inadvertently identified in a prior id as 5,503,032) |

In addition, the following non-US patent documents comprise in part, the aforementioned information, as follows:

| Country/Doc Number | Publication Date | Basis for Relevance |
|--------------------|------------------|---|
| EP 0 187 930 | 07/23/1986 | Specification and English translation provided, augmenting prior submitted English Abstract |
| FR 2438-746 | 05/09/1980 | Reference plus English language Abstract and translation provided |
| GB 678677 | 09/03/52 | English language document - inadvertently cited in a prior Information Disclosure Statement as "AU 678,677" |

| | | |
|---------------|------------|--|
| WO 97/32647 | 09/12/97 | English language document |
| JP 03271530 | Dec. 1991 | Reference plus English abstract provided |
| TW 251333A | 07/11/1994 | English abstract only provided |
| JP 10008975A | 01/13/98 | English abstract only provided |
| WO 94/15080 | 07/07/94 | English abstract only provided |
| WO 01/50037 | 07/12/2001 | English language document |
| JP 08100621-A | 04/16/96 | English abstract only provided |
| RU 2094627-C | 10/27/97 | English abstract only provided |
| JP 8014061 | 01/16/96 | Reference plus English abstract provided |
| JP 1253-335 | 02/05/85 | English abstract only provided |

Copies of the foregoing references are attached for consideration by the Examiner.

In addition, the following non-patent information comprises in part the information:

Internet published article: Aerospace & Technology Innovation Vol. 5 No. 4 Jul/Aug 1997 titled "Composite Licensed for Pistons". A copy of this reference is also attached for consideration by the Examiner.

Consideration of the foregoing information, and return of an initialed copy of the form PTO-1449 attached hereto, are respectfully solicited.

Should anything further be required, a telephone call to the undersigned at (312) 456-8400 is respectfully requested.

Respectfully submitted,

GREENBERG TRAURIG, LLP

Dated: July 13, 2005

Douglas B. Teaney
Douglas B. Teaney
One of Attorneys for Applicant

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Date of Deposit – July 13, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR. Section 1.10 on the date indicated above and is addressed to Commissioner for Patents, Post Office Box 1450, Alexandria, VA 22313-1450.

Douglas B. Teaney

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Substitute for form 1449A/PTO

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Sheet

of

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| Application Number | 09/937,740 |
| Filing Date | August 22, 2003 |
| First Named Inventor | Raffaele et al. |
| Art Unit | 3745 |
| Examiner Name | Igor Kershteyn |

Attorney Docket Number

57524.010009

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 4,683,809 | 08/04/1987 | Taylor | |
| | | US- 6,029,346 | 02/29/2000 | Chellappa | |
| | | US- 4,776,310 | 10/ /1988 | Gray | |
| | | US- 4,512,291 | 04/ /1985 | Kirk | |
| | | US- 5,900,193 | 05/04/1999 | Rivers et al. | |
| | | US- 4,909,133 | 03/20/1990 | Taylor et al. | |
| | | US- 6,148,785 | 11/21/2000 | Rivers et al. | |
| | | US- 6,524,707 | 02/25/2003 | Rasmussen | |
| | | US- 5,503,038 | 04/02/1996 | Aquino et al. | |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | EP 0 187 930 | 07/23/1986 | | → Engl. translation | |
| | | FR 2438-746 | 05/09/1980 | | → Engl. translation | |
| | | GB 678677 | 09/03/1952 | | Engl. doc. | |
| | | WO 97/32647 | 09/12/1997 | | Engl. doc. | |
| | | JP 03271530 | 12/ /1991 | | → Engl. abstract | |

| | | |
|--------------------|--|-----------------|
| Examiner Signature | | Date Considered |
|--------------------|--|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| Examiner Name | Igor Kershteyn |

Attorney Docket Number: 77

Attorney Docket Number

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DOCUMENTS

Name of Patentee or
Page

**Name of Patentee or
Applicant of Cited Document**

1. *What is the primary purpose of the study?*

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U. S. PATENT DOCUMENTS

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| | | TW 251333A | 07/11/1994 | | + Engl. abstract | |
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| | | WO 94/15080 | 07/07/1994 | | + Engl. abstract | |
| | | WO 01/50037 | 07/12/2001 | | Engl. doc. | |
| | | JP 08100621-A | 04/16/1996 | | + Engl. abstract | |

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| Examiner Name | Igor Kershteyn |

Attorney Docket Number 57

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| | | JP 8014061 | 01/16/1996 | | + Eng. abstract |
| | | JP 1253 335 | 02/05/85 | | Eng. abstract |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | <i>Application Number</i> | 09/937,740 |
| (Use as many sheets as necessary) | | <i>Filing Date</i> | August 22, 2003 |
| | | <i>First Named Inventor</i> | Raffaele et al. |
| | | <i>Art Unit</i> | 3745 |
| | | <i>Examiner Name</i> | Igo Kershteyn |
| Sheet | of | <i>Attorney Docket Number</i> | |
| | | 57524.010009 | |

NON PATENT LITERATURE DOCUMENTS

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